

ggccggccgcgat cggccggccgc cggggccccgg gctgttccccc cctcttc tcccttgccc tggctcgcc gctcgatggc gggccatggg 100  
 ccggccggccg gggccgggggg ctggggggcg ctggccctcc ggggtccccct agggccgggc gtgggggggg cggccggcc tggccggcc tcgttcccc 200  
 accccacccca caccaggaa cgggggggggg ggtgtccccgg agggacgggg ccctggccgg tggcgatggg gggccgtccgg atccggccccg gcctggccgt 300  
 M G A U R L R P G L A L  
 GCTGCTCTTG TGCGGTGGTG TGTGTCGCG GTACGGCGTG GTGGATGCCG ATCCCGTCAT GACCARAGAG GAGCAGATCT TCTGCTGCA CGCGGCCAG 400  
 I L C C P U E S S A Y A L V D A O D U M T K E E Q I F L L H R A Q  
 GCCCAGTGGC AGAACGGGCT CAARGAGTC CTGGAGGGC CACCTGACAT ATGGAACTCA GACARAGGAT GGGCTTCGCA ATCCACATCA GGGAGGCCA 500  
 R Q C Q K H L K E U L Q R P A D I M E S D K G H A S A S T S G K P K  
 AGAAGAGAGA GGCATCTGGG ARGGCTCTACG CTGAGCTGGA GGAGGACAG GAGGTGGCCA CTGGCAGCAG GCACCCGAGGG CGCCCTGCC TGCCCCGAGTG 600  
 K E K R S G K L Y P E S E E D K E U P T G S R H R G R P C L P E W  
 GGACCCACATC CTTTGCTGCC CGCTGGGGGC ACCAGGTGAG GTGGTGGCTG TGCCCTGTC CGACTACATT TATGACTTC ATCACARAGG CCATGCCAC 700  
 D H I L C W P L G A P G E U V A U P C P D Y I Y D F N H K G H A Y  
 CGTCGCTGTC RCCGCAATGG CAGCTGGGGAG CTGGTGGCTG GACACACCG GACGTGGGCC ARCTACAGCG AGTGTGTCAA GTTCCCTGCC AACGAGACTC 800  
 R R C D R N G S W E L U P G H N R T W A H Y S E C U K F L T N E T R  
 GTGAAACGGGA GGTGTTTGAC CGCCTGGGCA TGATCTCACAC CGTGGGGCTAC TCCGTGTCGC JGGCTTCCTC CACCGTGGCC GTGCTCATCC TGGCTRACTT 900  
 E R E U F D R L G M I Y T U G Y S U S L A S L T U A U L I L A Y F  
**II**  
 CAGGGGGCTG CACTGCACAC GCAACTACAT CCACATGAC CTGTTCCCTG CTGCGCCGTC AGCAACTCTCG TCAAGGACCC CGTGGCTACTAC 1000  
 R R L H C T A H Y I H M H L F L S F M L R A U S I F U K D A U L Y  
**III**  
 TGCGGGCGCA CGCTCGACGA GGCGCGCGC CTCACGGAGG RAGAGCTGCG CGCCATGCC CAGGACCCCC CGCCGCCAC CGCCGCCGCC GGCTACGCC 1100  
 S G A T L D E A E R L T E E E L R A I A Q A P P P P T A R A A G Y A G  
**IV**  
 GCTGCRGGGT AGCTGTGCC TCTCTCCCTT ATTTCTGCC CACCAACTAC TACCTGGGATC TGGTGGGGG GCTGTAACCTG CATAGCTTC TCTTCAGG 1200  
 C R U A U T F F L Y F L R T H Y Y H I L U E G L Y L H S L I F M A  
**V**  
 CTCTCTCTCA GAGARGAGCT ACCTGCTGGG CTTCACGGTC TCCGGCTGGG GTCCTGGCCG CGCTCTCGTG GCTGTCGAG AGCCACCCCTG 1300  
 F F S E K K Y L H G F T U F G H G L P A U F V A U H U S U R A T L  
**VI**  
 GCGACACCG GGTGCTGGGA CTTGAGCTCC GGGACACAGA AGTGGATCAT CGAGGTGGCC ATCCCTGGCT CTATGGGCTC GACACTTCGCTTGGCT 1400  
 A H T G C H D L S S G H K K H I I Q U P I L R S I U L H F I L F I N  
**VII**  
 AGATGGCTCCG GGTGCTGCC ACAGAGCTGC GGGAGACCAA TGCCGGCCGG TGTGACACGC GCGAGCAGTA CGGGAAGCTG CTCAATCCG CACTGGGCT 1500  
 I U R U L A T K L R E T H A G R C D T R Q Q Y R K L L K S T L U L  
**VIII**  
 CTGGCCGCCTT ACTACATGGT CTTCATGGCC ACCCCATACR CCGAGGTCTC AGGGACGCTC TGGCAGTCC AGRTGCACTA CGAGATGCTD 1600  
 M P L F G U H Y I U F M A T P Y T E V S G T L H Q U Q M H Y E M L  
**IX**  
 TTCAACTCTT TCCAGGGATT TTTGTGCCCT ATCATATACT GTTCTGCCAA TGGCGAGGTA CAGGCGGAGA TCACGAAARTC CTGGAGGCC TGAGACACTGG 1700  
 F M S F Q G F F U R I I Y C F C H G E U Q A E I K K S H S R H T L A  
 CCCTGGACTT CRAGCGCAGG GCGCGAGTG GGAGCAGCG TTACAGCTAC GCGCCGATGG TGTCTCACAC GAGCGTGACCC AACGTAGGCC CCCGCCGCC 1800  
 L D F K R K A R S G S S S Y S Y G P M U S H T S U T H U G P R A G  
 ACTTGCCCTG CCCCTCAGCC CCGCCCTGCT GCGCCACCA CACCCGCCAC CACCCACGCC CACCCCCCGA TCCCGGGCCA CACCAAGGCCA 1900  
 L G L P L S P R L L P A A R A T T T A T T H G H P P I P G H T K P  
 GGGGCCCCGA CCTCTCCCGC CACACACCT GCCACGGCTG CTCCACAGGA CGATGGGTC CTCAACGGCT CCTGCTCGGG GCTGGACGAG GAGGCCTCCG 2000  
 G A P T L P A T P P A T R A P K D D G F L H G S C S G L D E E A S A  
 CGCCGGAGCG GCCTCCCGCC CTGCTGCCAGG AGGAGTGGGA GAGGGCTATG TGAtcgggga cctgtgccag ggtagactc tggacataa gggccgacag 2100  
 P E R P P R L L Q E E W E T U M .  
 aegggaccaag agacaggggg tggacagat gcccactcg ggctggggct gggaaagaaa aaaaaaaa aaaaaaaa  
 2177

Fig. 1

SEQ ID NO: 1



MGRP1	IAPL	ALLLCOPULS	SAYALUDADD	UTKKEEQIFL	LHRAQROCK	K	KEULHTA	NMESDKGWT	PASTSGKPX	EKAFFKHYPE	SKENXUPTG	1					
MGRP1	IAPL	ALLLCOPULS	SAYALUDADD	UTKKEEQIFL	LHRAQROCK	K	KEULHTA	NMESDKGWT	PASTSGKPX	EKAFFKHYPE	SKENXUPTG	1					
MGRP1	IAPL	ALLLCOPULS	SAYALUDADD	UTKKEEQIFL	LHRAQROCK	K	KEULHTA	NMESDKGWT	PASTSGKPX	EKAFFKHYPE	SKENXUPTG	1					
MGRP1	IAPL	ALLLCOPULS	SAYALUDADD	UTKKEEQIFL	LHRAQROCK	K	KEULHTA	NMESDKGWT	SASTSGKPX	EKAFFKHYPE	SKENXUPTG	1					
SR	FGRPCLP	EWD	1	EXPL	GAPGEVVAUP	CPOYIYDFNH	KGHAYRRCDR	NGSWE	UPGH	NR	TWANYSEC	KF	TNETRE	REUDRLGM	YTUGYS	SLA	
SR	FGRPCLP	EWD	1	CXPL	GAPGEVVAUP	CPOYIYDFNH	KGHAYRRCDR	NGSWE	UPGH	NR	TWANYSEC	KF	TNETRE	REUDRLGM	YTUGYS	SLA	
SR	FGRPCLP	EWD	1	CXPL	GAPGEVVAUP	CPOYIYDFNH	KGHAYRRCDR	NGSWE	UPGH	NR	TWANYSEC	KF	TNETRE	REUDRLGM	YTUGYS	SLA	
SR	FGRPCLP	EWD	1	CXPL	GAPGEVVAUP	CPOYIYDFNH	KGHAYRRCDR	NGSWE	UPGH	NR	TWANYSEC	KF	TNETRE	REUDRLGM	YTUGYS	SLA	
SR	FGRPCLP	EWD	1	CXPL	GAPGEVVAUP	CPOYIYDFNH	KGHAYRRCDR	NGSWE	UPGH	NR	TWANYSEC	KF	TNETRE	REUDRLGM	YTUGYS	SLA	
SLTVAVLILA	YFRALHCTRN	YIHMH	ELSF	MLRAS	STFUK	DAVLYSGFTL	DEAERLTTEE	LRA	IADQPPP	PITRAAF	GYAG	CRUAUTFFLY	FLATN'WIL				
SLTVAVLILA	YFRALHCTRN	YIHMH	ELSF	MLRAS	STFUK	DAVLYSGFTL	DEAERLTTEE	LH	IADQPPP	PITRAAF	GYAG	CRUAUTFFLY	FLATN'WIL				
SLTVAVLILA	YFRALHCTRN	YIHMH	ELSF	MLRAS	STFUK	DAVLYSGFTL	DEAERLTTEE	LH	IADQPPP	PITRAAF	GYAG	CRUAUTFFLY	FLATN'WIL				
SLTVAVLILA	YFRALHCTRN	YIHMH	ELSF	MLRAS	STFUK	DAVLYSGFTL	DEAERLTTEE	LH	IADQPPP	PITRAAF	GYAG	CRUAUTFFLY	FLATN'WIL				
VEGLYLHSL1	FMAFFSEKKY	LWGFT	F	FGIG	LPAVFUVAVU	EURATLANTG	CDLSGSG	KK	W1IQUPLAS	JULNF	LFIN	JRULATKL	ETNAGRCDT				
VEGLYLHSL1	FMAFFSEKKY	LWGFT	F	FGIG	LPAVFUVAVU	EURATLANTG	CDLSGSG	KK	W1IQUPLAS	JULNF	LFIN	JRULATKL	ETNAGRCDT				
VEGLYLHSL1	FMAFFSEKKY	LWGFT	F	FGIG	LPAVFUVAVU	EURATLANTG	CDLSGSG	KK	W1IQUPLAS	JULNF	LFIN	JRULATKL	ETNAGRCDT				
VEGLYLHSL1	FMAFFSEKKY	LWGFT	F	FGIG	LPAVFUVAVU	EURATLANTG	CDLSGSG	KK	W1IQUPLAS	JULNF	LFIN	JRULATKL	ETNAGRCDT				
QQYRKLL1	ST	LVL	PLFGVH	Y	VFMAT	PYT	EUSGTLQWQ	Q	NYHEMLFNFS	QGFFFVRI	IYC	FCNGEVQE	!	KSWSRWTLA	LDFKPKARSG	SSSYSGPM	4
QQYRKLL1	ST	LVL	PLFGVH	Y	VFMAT	PYT	EUSGTLQWQ	Q	NYHEMLFNFS	QGFFFVRI	IYC	FCNGEVQE	!	KSWSRWTLA	LDFKPKARSG	SSSYSGPM	5
QQYRKLL1	ST	LVL	PLFGVH	Y	VFMAT	PYT	EUSGTLQWQ	Q	NYHEMLFNFS	QGFFFVRI	IYC	FCNGEVQE	!	KSWSRWTLA	LDFKPKARSG	SSSYSGPM	5
QQYRKLL1	ST	LVL	PLFGVH	Y	VFMAT	PYT	EUSGTLQWQ	Q	NYHEMLFNFS	QGFFFVRI	IYC	FCNGEVQE	!	KSWSRWTLA	LDFKPKARSG	SSSYSGPM	5
dPTH1																	
rPTH1																	
mPTH1																	
hPTH1																	
dPTH1																	
rPTH1																	
mPTH1																	
hPTH1																	
dPTH1																	
rPTH1																	
mPTH1																	
hPTH1																	
dPTH1																	
rPTH1																	
mPTH1																	
hPTH1																	
dPTH1																	
rPTH1																	
mPTH1																	
hPTH1																	
dPTH1																	
rPTH1																	
mPTH1																	
hPTH1																	

Fig. 3

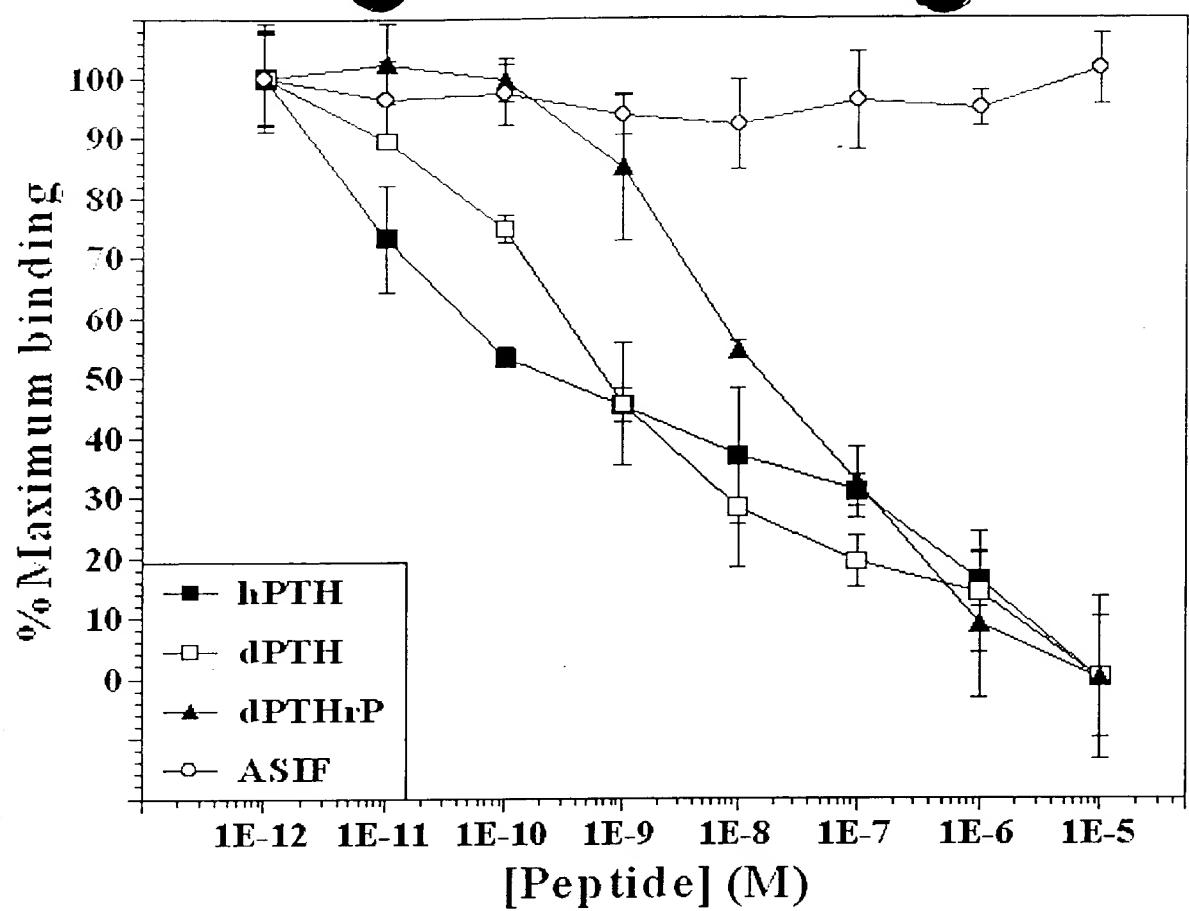


Fig. 4

Fig. 5

